DAVID RALPH CANRIGHT
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Education

University of California, Berkeley, Department of Mechanical Engineering

>**Ph.D.** May 1987 Major in Fluid Mechanics; minors in Thermodynamics and Heat Transfer, Applied Mathematics

>Thesis: Bénard Convection in a Fluid with Strongly Temperature-Dependent Viscosity

University of California, Los Angeles, College of Engineering

>**B.S.** June 1976 Summa Cum Laude Major in Mechanical Engineering; emphasis in Acoustical Engineering, Computer Science

Honors

>Instructional Recognition Award, Naval Postgraduate School, 1994
>Research Recognition Award, Naval Postgraduate School, 1992
>National Science Foundation Fellow, UC Berkeley, 1982-1985
>Arthur Gould Tasheira Scholar, UC Berkeley, 1981-1982
>Departmental Scholar, UCLA, 1975
>Freshman Chemistry Prize, UCLA, 1975

Experience

July 1988 – present Naval Postgraduate School, Monterey, CA, Department of Mathematics (Code MA/Ca) Associate Professor (promoted July 1993): teach mathematics courses; conduct research on mathematical applications, including fluid dynamics, materials processing, acoustics, fractals.

April 1987 – June 1988 Northwestern University, Evanston, IL, Department of Engineering Sciences and Applied Mathematics Postdoctoral Research Fellow: conduct theoretical research on the solidification of liquid metals, utilizing both analytic and computational methods.

September 1985 – December 1986, September 1981 – June 1982
University of California, Berkeley, Department of Mechanical Engineering Teaching Assistant: conducted discussion sessions; aided students during office hours; designed and corrected exams and assignments.

November 1978 – July 1981 International Telephone & Telegraph, Defense Communications Division, San Diego, CA Member, Technical Staff (Computer Programmer): designed, developed, and maintained programs in micro-assembly language for real-time signal processing applications; system troubleshooter; wrote extensive documentation.

July 1976 – August 1978 Technology Services Corporation, Santa Monica, CA Member, Technical Staff (Computer Programmer): designed, developed, documented, and maintained programs in assembly language, C, and FORTRAN, for radar array applications; performed on-site troubleshooting.

Associations

American Physical Society, Fluid Dynamics Division
Society for Industrial and Applied Mathematics
Mathematical Association of America
Tau Beta Pi (Engineering Honor Society)
Sigma Xi (Scientific Research Society)